

Pensieve header: Make the snip files in Snips/.

```
(Alt) In[ ]:= MakeSnips["Examples"]
```

```
(Alt) Out[ ]:= {Snips/Examples/rho-1.pdf, Snips/Examples/rho-2.pdf, Snips/Examples/rho-3.pdf,
  Snips/Examples/rho-4.pdf, Snips/Examples/rho-5.pdf, Snips/Examples/rho-6.pdf,
  Snips/Examples/Atoms-1.pdf, Snips/Examples/Atoms-2.pdf, Snips/Examples/Trefoil-1.pdf,
  Snips/Examples/Trefoil-2.pdf, Snips/Examples/Trefoil-3.pdf,
  Snips/Examples/Integrals-1.pdf, Snips/Examples/Integrals-2.pdf}
```

Prolog

```
(Alt) In[ ]:= SetDirectory["C:\\drorbn\\AcademicPensieve\\Talks\\QMUL-1908"];
Get["../../Talks/Matemale-1804/CellExport.m"];
BeginPackage["Snips`", {"CellExport`"}];
MakeSnips;
Begin["`private`"];
SetOptions[$FrontEndSession, PrintingStyleEnvironment → "Working"];
```

“WinSort” from <https://mathematica.stackexchange.com/questions/10619/sort-strings-by-natural-ordering>:

```
(Alt) In[ ]:= WinSort[names_List] := names[[Ordering[Characters[names]]]];
```

Snips

(Alt) In[]:=

```

MakeSnips[nb_] := (
  If[FileType["Snips/" <> nb] === None, CreateDirectory["Snips/" <> nb]];
  If[FileType["Snips/" <> nb <> "/Verification.txt"] === None ∨
    AbsoluteTime@FileDate["Snips/" <> nb <> "/Verification.txt"] <
    AbsoluteTime@FileDate[nb <> ".nb"],
  If[Head[$FrontEnd] === FrontEndObject,
    SetOptions[CellExport, ExportFormat → ".pdf", Split → True,
      PageWidth → 7.12, ExportOptions → {ImageSize → Scaled[0.75]}],
    SetOptions[CellExport, ExportFormat → ".pdf", Split → True, PageWidth → 7.12]
  ];
  SourceNotebook = NotebookGet@NotebookOpen[Directory[] <> "/" <> nb <> ".nb"];
  DialogTags = {};
  tags = Cases[SourceNotebook, (CellTags → tag_) ⇒ tag, Infinity] // Union;
  files = Reap[Flatten[Table[
    Which[
      tag == "817",
      { (* this is only left here as a demo for how to make an exception *)
        Sow@CellExport[SourceNotebook, "817", {CellFilter → First,
          ExportBaseFilename → "Snips/" <> nb <> "/817-In"}],
        Sow@CellExport[SourceNotebook, "817", {CellFilter → Rest,
          ExportBaseFilename → "Snips/" <> nb <> "/817-Out",
          PageWidth → 5.5 * 0.24 / 0.16}]}
      ],
    MemberQ[DialogTags, tag], {
      Sow@CellExport[SourceNotebook, tag, {CellFilter → First,
        ExportBaseFilename → "Snips/" <> nb <> "/" <> tag <> "-In"}],
      Sow@CellExport[SourceNotebook, tag, {CellFilter → Rest,
        ExportBaseFilename → "Snips/" <> nb <> "/" <> tag <> "-Out"}]
    },
    True, Sow@CellExport[SourceNotebook,
      tag, ExportBaseFilename → "Snips/" <> nb <> "/" <> tag]
  ],
  {tag, tags}]]];
  PutAppend[DateString[], "Snips/" <> nb <> "/Verification.txt"];
  files = Flatten[files];
  DeleteFile /@ Complement[
    StringReplace["\\" → "/"] /@ FileNames["Snips/" <> nb <> "/*.pdf"], files];
  WinSort@Union[files],
  (*Else*)
  WinSort@FileNames["Snips/" <> nb <> "/*.pdf"]
]
)

```

Epilog

(Alt) In[]:=

```
End[]; EndPackage[];
```